

ABSTRACT

This research purpose is to find the best building form to maximize the direct sunlight for the plants to grow. Researcher used simulation technic with Ecotect software to determine the best form of the building toward the sunlight that will influenced the plant location on the building that would be able to received the maximum sunlight. The plantation type determined with living kitchen's vegetables and spices with adoption to climate onsite especially sunlight and there are three group of plantation according to how long the sunlight needs, which is Full Sun, Part Shade and Full Shade. The building analysis toward the sunlight was analysis when the sun reach the equator on 21st March or 23rd September. (VC)

Keywords: *Vertical Farming, Sun*